

## Bently Nevada offers complete cabinet packages

**B**ently Nevada has offered complete cabinet packages for many years. These packages make it easy to quickly install, set up and use monitoring instruments, (such as our proven 3300 System), and gain the most from the long-term investment. They are specifically designed to protect personnel from accidental contact with enclosed electrical components, electronic controls and instrumentation and to protect these items from specified environmental conditions, including dust, dirt, oil and water. Each cabinet's internal layout allows for convenient system installation and wiring, while externally it is attractively designed to complement your particular installation site.

The most frequently ordered options have been incorporated into a series of off-the-shelf packages that include both Standard Cabinets and 19" EIA Cabinets. Our traditional custom cabinets are still available, and Standard Cabinets can also be modified through our Custom Products Engineering Group to meet particular application requirements. However, with the most frequently ordered options incorporated, our new standard packages offer many advantages over nonstandard packages, including:

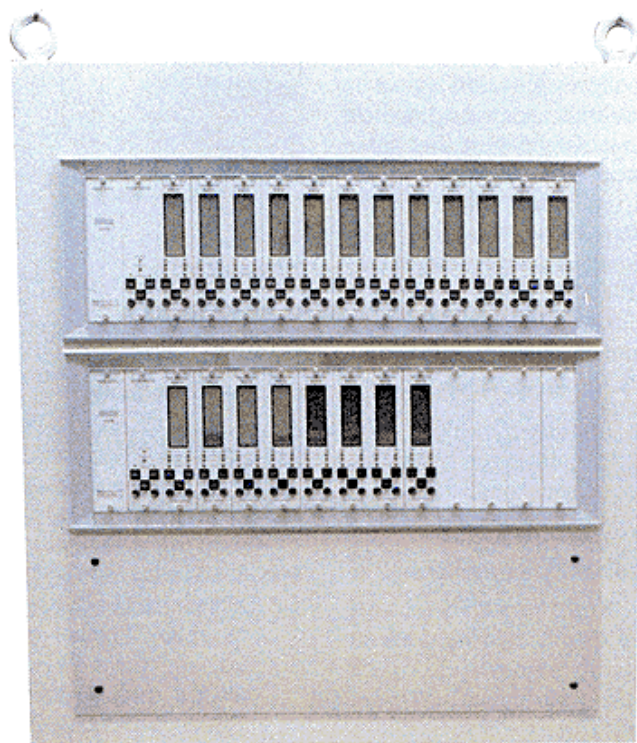
- Easier ordering — Packages can now be ordered with a single part number.
- Reduced lead time — Extensive time is no longer needed to custom-produce all particular parts.
- Lower price — Standardization and time savings translate into considerable cost savings.

### Computer-generated drawings available at bid

Clear, computer-generated drawing packages are provided at the bid stage for inclusion in the project quotation. Drawing packages include monitor positions, options, cabinet outlines, mechanical layouts and internal wiring diagrams.

The early generation of quality drawings means problems can be resolved prior to order entry, resulting in further lead time reductions. Final drawings will be generated from order entry

options. Communication is enhanced as there is a greater understanding of what is being ordered/manufactured, and all parties involved can review the package from its inception. Furthermore, installation is made much easier as confusion is minimized from the earliest point. Electricians will particularly find the early supply of drawings a valuable planning tool. Cost is also considerably reduced over "customized" cabinet packages that may require considerable engineering time, nonstandard equipment and elaborate documentation.



New Standard Cabinet packages offer many advantages over earlier packages, including easier ordering, reduced lead times and lower price.



## Full range of quality services

Helping you solve unique rotating machinery information problems for nearly every application is what Bently Nevada does best. You can be assured of the very best quality and service available, including:

- **Single-source supplier** - All manufacturing operations and services are coordinated by Bently Nevada, providing greater convenience and time savings.
- **Extensive applications experience** - Bently Nevada has over 37 years experience in applications for rotating machinery monitoring systems in diverse applications around the world.
- **Computer Aided Design/Drafting** - Clear, high-quality drawings offer consistency throughout the documentation package.
- **Quality Assurance testing** - All cabinets are extensively inspected and tested at Bently Nevada, assuring system quality and compatibility upon arrival in the field.
- **Field Service** - Product Service and/or Design and Installation Services assistance is available for installing new cabinets in the field, allowing turnkey convenience.

## Standard options

All Standard Cabinets and 19" EIA Cabinets include the following features/options:

- Fan/filter
- Fluorescent light
- Color: Polyester Urethane Powder - available in a wide variety of external colors. Internal color is white.
- Power outlet (with safety ground)
- Removable lifting-eyes
- Two-pole circuit breakers
- Two 16" x 1" x 1/4" copper bus bars for earth ground and signal common
- Teflon®-coated wire for all wiring (+150°C, 600 Vdc rated)
- Internal cabinet wires labeled per Bently Nevada standard (typed on heat-shrink sleeving)
- Nylon wireways
- Standard Cabinets 36" wide or less, or EIA-mount Cabinets 24" wide, have a single door; packages over 36" wide have double doors (all access doors have lift-off hinges)
- Bently Nevada standard documentation and format
- Top and bottom field cable entry through 18" x 18" gasketed, remov-

able panels (centered in top and bottom)

- Buchanan medium duty (screw terminal) or Weidmuller (clamp terminal) terminal blocks are available
- Locking fork (to ease installation/wiring time) or ring tongue wire lugs are available
- A weatherproof door is available as an option to cover each individual system, two systems or three systems (a maximum of six systems may be installed in any standard cabinet)

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## Construction

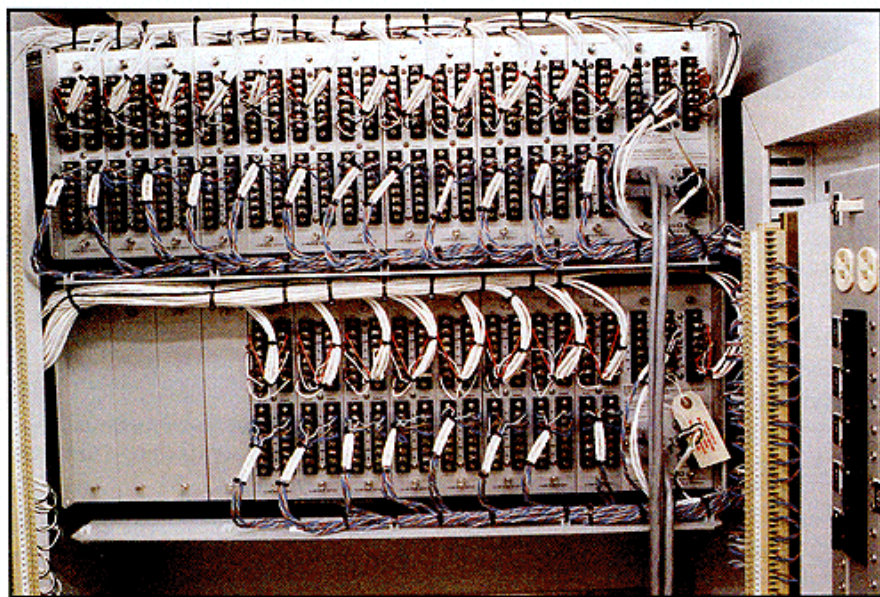
Quality and functional packaging combine with Bently Nevada Standard Cabinets. They are typically constructed of 12-gauge steel. However, two-door enclosures use 10-gauge steel on the back, and stiffeners are used to maintain flatness and increase rigidity. Three lift-off, sturdy hinges support each door. Seams are continuously welded and ground smooth. Mounting channels are welded horizontally to interior body sides where required, and an oil-resistant door gasket is attached with oil-resistant adhesive and reinforced with steel retaining strips.

*(NOTE: Some specifications differ for the 19" EIA Cabinet offering).*

For diverse application requirements, Bently Nevada cabinets meet the following industry standards:

- NEMA/EEMAC Type 1 and 12
- UL 508 Type 1 and 12
- EIA RS-310-C
- IEC 529, IP23 and IP65

For applications involving continuous monitoring systems, your **safety, quality, timeliness and cost** concerns are all addressed through Bently Nevada's Standard Cabinet and 19" EIA Cabinet offerings. For additional information, request data sheet L3313 on the reader service card or contact your nearest Bently Nevada representative. ■



Internal rear view of a Standard Cabinet showing wiring detail.